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PTO/SB/08a (08-03)
10588369-CAU: 2895

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10588369	
	Filing Date		2006-08-04	
	First Named Inventor	Uri BANIN		
	Art Unit			
	Examiner Name			
	Attorney Docket Number		BANIN4B	

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/J.D./	1	5505928		1996-04-09	ALIVISATOS et al.	

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U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/J.D./	1	20020175408	A1	2002-11-28	Arun MAJUMDAR et al.	
/J.D./	2	20030010987	A1	2003-01-16	Uri BANIN et al.	
/J.D./	3	20040007964	A1	2004-01-15	Ga-Lane CHEN	

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FOREIGN PATENT DOCUMENTS

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/J.D./	1	03054953	WO	A1	2003-07-03	The Regents of The University of California et al.		<input type="checkbox"/>

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/J.D./	2	03097904	WO	A1	2003-11-27	Yissum Research Development Co. of The Hebrew Univ	<input type="checkbox"/>
/J.D./	3	9106036	WO	A1	1991-05-02	Research Corporation Technologies, Inc.	<input type="checkbox"/>
/J.D./	4	0229140	WO	A1	2002-04-11	The Board of Trustees of The Univ. of Arkansas	<input type="checkbox"/>
/J.D./	5	02079514	WO	A1	2002-10-10	The Trustees of Boston College	<input type="checkbox"/>
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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
/J.D./	1	BANIN, Uri, et al., "Tunnelling and Optical Spectroscopy of Semiconductor Nanocrystals", Annu. Rev. Phys. Chem., 2003, vol. 54, pp. 465-492.	<input type="checkbox"/>
/J.D./	2	BRAUN, Erez, et al., "DNA-templated assembly and electrode attachment of a conducting silver wire", Nature, February 19, 1998, vol. 391, pp. 775-778.	<input type="checkbox"/>
/J.D./	3	COUCOUVANIS, Dimitri, "The Chemistry of the Dithioacid and 1, 1-Dithiolate Complexes", Progress in Inorganic Chemistry, 1970, vol. 11, Interscience Publishers, New York, pp. 234-235.	<input type="checkbox"/>
/J.D./	4	CRETIER, J.E., et al., "The Crystal Structure of the Beta Form of Gold Selenide, β -AuSe.", Mat. Res. Bull., 1973, vol. 8, pp. 1427-1430.	<input type="checkbox"/>

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/J.D./	5	CUI, Yi, et al., "Functional Nanoscale Electronic Devices Assembled Using Silicon Nanowire Building Blocks", Science, February 2, 2001, vol. 291, pp. 851-853.	<input type="checkbox"/>
/J.D./	6	DUMESTRE, F., et al., "Superlattices of Iron Nanocubes Synthesized from Fe[N(SiMe3)2]2", Science, February 6, 2004, vol. 303, pp. 821-823.	<input type="checkbox"/>
/J.D./	7	FAN, Chunhai, et al., "Beyond superquenching: Hyper-efficient energy transfer from conjugated polymers to gold nanoparticles", PNAS, May 27, 2003, vol. 100, no. 11, pp. 6297-6301.	<input type="checkbox"/>
/J.D./	8	GOLDBERGER, Joshua, et al., "Single-crystal gallium nitride nanotubes", Nature, April 10, 2003, vol. 422, pp. 599-601.	<input type="checkbox"/>
/J.D./	9	GOMEZ, Silvia, et al., "Gold nanoparticles from self-assembled gold(I) amine precursors", Chem. Commun., 2000, pp. 1945-1946.	<input type="checkbox"/>
/J.D./	10	GUDIENSEN, Mark S., et al., "Growth of nanowire superlattice structures for nanoscale photonics and electronics", Nature, February 7, 2002, vol. 415, pp. 617-620.	<input type="checkbox"/>
/J.D./	11	HEINZE, S., et al., "Carbon Nanotubes as Schottky Barrier Transistors", Physical Review Letters, September 2, 2002, vol. 89, no. 10, pp. 106801.1-106801.4.	<input type="checkbox"/>
/J.D./	12	JAVEY, Ali, et al., "Ballistic carbon nanotube field-effect transistors", Nature, August 7, 2003, vol. 424, pp. 654-657.	<input type="checkbox"/>
/J.D./	13	JIN, R., et al., "Photoinduced Conversion of Silver Nanospheres to Nanoprisms", Science, November 30, 2001, vol. 294, pp. 1901-1903.	<input type="checkbox"/>
/J.D./	14	JONES, R.M., et al., "Building highly sensitive dye assemblies for biosensing from molecular building blocks", PNAS, December 18, 2001, vol. 98, no.26, pp. 14769-14772.	<input type="checkbox"/>
/J.D./	15	KAN, S., et al., "Synthesis and size-dependent properties of zinc-blende semiconductor quantum rods", Nature Materials, March 2003, vol. 2, pp. 155-158.	<input type="checkbox"/>

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/J.D./	16	KEREN, K., et al., "DNA-Templated Carbon Nanotube Field-Effect Transistor", Science, November 21, 2003, Vol. 302, pp. 1380-1382.	<input type="checkbox"/>
/J.D./	17	KLEIN, D, et al., "A single-electron transistor made from a cadmium selenide nanocrystal", Nature, October 16, 1997, vol. 389, pp. 699-701.	<input type="checkbox"/>
/J.D./	18	MANNA, L., et al., "Controlled growth of tetrapod-branched inorganic nanocrystals", Nature Materials, June 2003, vol. 2, pp. 382-385.	<input type="checkbox"/>
/J.D./	19	MANNA, L., et al., "Synthesis of Soluble and Processible Rod-, Arrow-, Teardrop-, and Tetrapod-Shaped CdSe Nanocrystals", J. Am. Chem. Soc., 2000, vol. 122, pp. 12700-12706.	<input type="checkbox"/>
/J.D./	20	MOKARI, T., et al., "Synthesis and Properties of CdSe/ZnS Core/Shell Nanorods", Chem. Mater., 2003, vol. 15, pp. 3955-3960.	<input type="checkbox"/>
/J.D./	21	MURRAY, C.B., et al., "Synthesis and Characterization of Nearly Monodisperse CdE (E=S, Se, Te) Semiconductor Nanocrystallites", J. Am. Chem. Soc., 1993, vol. 115, pp. 8706-8715.	<input type="checkbox"/>
/J.D./	22	NAHUM, E., et al., "Transport and Charging in Single Semiconductor Nanocrystals Studied by Conductance Atomic Force Microscopy", Nano Letters, 2004, vol. 4, no. 1, pp. 103-108.	<input type="checkbox"/>
/J.D./	23	PENG, X. et al., "Shape control of CdSe nanocrystals", Nature, March 2000, vol. 404, pp. 59-61.	<input type="checkbox"/>
/J.D./	24	PENG, Z, et al., "Mechanisms of the Shape Evolution of CdSe Nanocrystals", J. Am. Chem. Soc., 2001, vol. 123, pp. 1389-1395.	<input type="checkbox"/>
/J.D./	25	TALAPIN, D. et al., "Highly Emissive Colloidal CdSe/CdS Heterostructures of Mixed Dimensionality", Nano Letters, 2003, vol. 3, no. 12, pp. 1677-1681	<input type="checkbox"/>
/J.D./	26	TANG, Z. et al., "Spontaneous Organization of Single CdTe Nanoparticles into Luminescent nanowires", Science, July 12, 2002, vol. 297, pp. 237-240.	<input type="checkbox"/>

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/J.D./	27	WU, Y. et al., "Block-by-Block Growth of Single-Crystalline Si/SiGe Superlattice Nanowires", Nano Letters, 2002, vol. 2, no. 2, pp. 83-86.	<input type="checkbox"/>
/J.D./	28	YAMAMOTO, M. et al., "Novel preparation of monodispersed silver nanoparticles via amine adducts derived from insoluble silver myristate in tertiary alkylamine", J. Mater. Chem., 2003, vol. 13, pp. 2064-2065.	<input type="checkbox"/>
/J.D./	29	YAN, H. et al., "DNA-Templated Self-Assembly of Protein Arrays and Highly Conductive Nanowires", Science, September 26, 2003, vol. 301, pp. 1882-1884.	<input type="checkbox"/>
/J.D./	30	YU, W. et al., "Formation and Stability of Size-, Shape-, and Structure-Controlled CdTe Nanocrystals: Ligand Effects on Monomers and Nanocrystals", Chem. Mater., 2003, vol. 15, pp. 4300-4308.	<input type="checkbox"/>
/J.D./	31	Alfredo M. MORALES et al., "A LASER ABLATION METHOD FOR THE SYNTHESIS OF CRYSTALLINE SEMICONDUCTOR NANOWIRE", Science, Vol. 279, January 9, 1998, pages 208-211	<input type="checkbox"/>
/J.D./	32	Wendy U. HUYNH et al., "HYBRID NANOROD-POLYMER SOLAR CELLS", Reports, Science, Vol. 295, March 29, 2002, pages 2425-2427	<input type="checkbox"/>
/J.D./	33	MIRI KAZES et al., "LASING FROM SEMICONDUCTOR QUANTUM RODS IN A CYLINDRICAL MICROCAVITY", aDV. mATER. 2002, Vol. 14, No. 4 pages 317-321	<input type="checkbox"/>
/J.D./	34	GUANGTAO LI et al., "Spherical and Planar Gold(0) Nanoparticles with a Rigid Gold(I)-Anion or a Fluid Gold(0)-Acetone Surface", 2003 American Chemical Society, Vol. 19 pages 6483-6491	<input type="checkbox"/>
/J.D./	35	R. KRUPKE et al., "Contacting single bundles of carbon nanotubes with altering electric fields", Applied Physics A, Materials Science & Processing, October 28, 2002, pages 397-400	<input type="checkbox"/>
/J.D./	36	MICHAL JACOBSON et al., "SIZE DEPENDENCE OF SECOND HARMONIC GENERATION IN CDSE NANOCRYSTAL QUANTUM DOTS", Depart. of Physical Chemistry and the Farkas Center for Light-Induced Processes, The Hebrew University of Jerusalem, Vol. 104, No. 1, January 13, 2000	<input type="checkbox"/>
/J.D./	37	W. RECHBERGER et al., "OPTICAL PROPERTIES OF TWO INTERACTING GOLD NANOPARTICLES", Optics Communications, Vol. 220, 2003, pages 137-141	<input type="checkbox"/>

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/J.D./	38	C. SONNICHSEN et al., "DRASTIC REDUCTION OF PLASMON DAMPING IN GOLD NANORODS", Photonics and Optoelectronics Group, Physics Depart. and CeNSVol. 88, No. 7, February 18, 2002, pages 1-4	<input type="checkbox"/>
/J.D./	39	R. SOLANKI et al., "Atomic Layer deposition of ZnSe/CdSe superlattice Nanowires", Applied Physics Letters, Vol. 81, No. 20, November 11, 2002, pages 3864-3866	<input type="checkbox"/>
/J.D./	40	TALEB MOKARI et al., "Selective Growth of Metal Tips onto Semiconductor Quantum Rods and Tetrapods", Reports, Vol. 304, June 18, 2004, pages 17871790	<input type="checkbox"/>
/J.D./	41	YOUNG-WOOK JUN et al., "Controlled Synthesis of Multi-armed CdS Nanorod Architectures Using Monosurfactant System", J. Am. Chem. Soc. 2001, Vol. 123, pages 5150-5151	<input type="checkbox"/>

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☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

SIGNATURE

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Signature	/SN/	Date (YYYY-MM-DD)	2007-08-16
Name/Print	Sheridan Neimark	Registration Number	20520

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